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Part Number: [50-34-8555](#)

Status: **Active**

Overview: [Mini-Fit® Blind Mate Interface \(BMI\) Connectors](#)

Description: 4.20mm Pitch Mini-Fit® BMI Header, Dual Row, Right Angle, with Snap-in Plastic Peg PCB Lock, 4 Circuits, PA Polyamide Nylon 6/6, UL 94V-0, with Matte Tin (Sn) Plating

Documents:

[Drawing \(PDF\)](#)

[Product Specification PS-45750-001 \(PDF\)](#)

[Product Specification PS-5556-002 \(PDF\)](#)

[Test Summary TS-42404-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family
Series
Application
Comments

PCB Headers
42404
Board-to-Board, Power, Wire-to-Board
Current = 13A max. per circuit when header is mated to a receptacle loaded with [45750](#) Mini-Fit® Plus HCS Crimp Terminal Crimped to 16 AWG wire., See Molex product specification PS-45750-001 for additional current de-rating information.

Overview

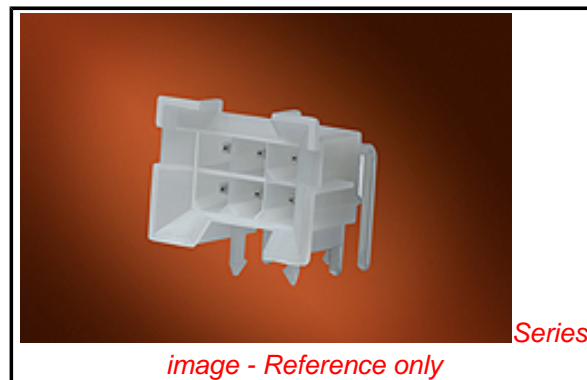
Product Name
UPC

[Mini-Fit® Blind Mate Interface \(BMI\) Connectors](#)
Mini-Fit® BMI
883906383824

Physical

Breakaway
Circuits (Loaded)
Circuits (maximum)
Color - Resin
Durability (mating cycles max)
Glow-Wire Compliant
Guide to Mating Part
Lock to Mating Part
Material - Metal
Material - Plating Mating
Material - Plating Termination
Material - Resin
Net Weight
Number of Rows
Orientation
PC Tail Length
PCB Locator
PCB Retention
PCB Thickness - Recommended
Packaging Type
Pitch - Mating Interface
Plating min - Mating
Plating min - Termination
Polarized to Mating Part
Polarized to PCB
Shrouded
Stackable
Surface Mount Compatible (SMC)
Temperature Range - Operating
Termination Interface: Style

No
4
4
Natural
30
No
Yes
Yes
Brass
Tin
Matte Tin
Nylon
1.874/g
2
Right Angle
3.30mm
Yes
Yes
1.80mm
Tray
4.20mm
1.524µm
1.270µm
Yes
Yes
Partial
No
No
-40°C to +105°C
Through Hole



Series

EU RoHS

ELV and RoHS Compliant

REACH SVHC Contains SVHC: No Low-Halogen Status Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[42404Series](#)

Mates With

[15-06-0101](#) Mini-Fit® BMI Panel Mount Receptacle, [39-01-2105](#) Mini-Fit Jr.™ Receptacle, [15-24-7101](#) Mini-Fit® BMI Vertical Receptacle Header, [44475-1021](#) Mini-Fit® BMI SMC Vertical Receptacle Header

Electrical

Current - Maximum per Contact 13A
Voltage - Maximum 600V

Solder Process Data

Duration at Max. Process Temperature (seconds) 5
Lead-free Process Capability Wave Capable (TH only)
Max. Cycles at Max. Process Temperature 1
Process Temperature max. C 240

Material Info

Old Part Number A-42404-04B6

Reference - Drawing Numbers

Product Specification PS-45750-001, PS-5556-002
Sales Drawing SD-42404-222
Test Summary TS-42404-001

This document was generated on 06/26/2013

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